

C:\Users\Public\TTPLabTech\Mosquito\Protocols\CM Lab\snRNAseq2 Mosquito HV full plate. Lysis to cDNA.protocol

Tape pitch 4.5mm

5 position deck

Position:

1: [no plate]  
2: [no plate]  
3: TTP LVSD optimised ID  
4: Bio-Rad PCR 384 HSP-3xxx in holder ID optimised  
5: [no plate]

Aliquot 940nL from (P3, C1, R1, S1) to (P4, C1-12, R1, S1)  
Source (row, column) spacing: (1, 1)  
Destination (row, column) spacing: (1, 1)  
Contact first  
Multi-dispense  
Disable over aspiration

Pause indefinitely at position 1 and display message "Freeze 384-well sorted plate or Continue to add lysis buffer 2" - then home deck

Aliquot 2190nL from (P3, C3, R1, S1) to (P4, C1-12, R1, S1)  
Source (row, column) spacing: (1, 1)  
Destination (row, column) spacing: (1, 1)  
Contact first  
Change tips always  
Disable over aspiration

Pause indefinitely at position 1 and display message "Rigorous vortexing, Spin down and place plate in PCR for Lysis step - 6 min at 72oC, 10min on ice" - then home deck

Aliquot 1880nL from (P3, C5, R1, S1) to (P4, C1-12, R1, S1)  
Source (row, column) spacing: (1, 1)  
Destination (row, column) spacing: (1, 1)  
Contact first  
Change tips always  
Disable over aspiration

Pause indefinitely at position 1 and display message "Vortex shortly, Spin down and place plate in PCR for RT step -90 min at 42oC, 10min at 70oC" - then home deck

Aliquot 3750nL from (P3, C7, R1, S1) to (P4, C1-12, R1, S1)  
Source (row, column) spacing: (1, 1)  
Destination (row, column) spacing: (1, 1)  
Contact first  
Change tips always  
Disable over aspiration

Aliquot 3750nL from (P3, C8, R1, S1) to (P4, C13-24, R1, S1)  
Source (row, column) spacing: (1, 1)  
Destination (row, column) spacing: (1, 1)  
Contact first  
Change tips always  
Disable over aspiration

Aliquot 3750nL from (P3, C9, R1, S1) to (P4, C1-12, R1, S1)  
Source (row, column) spacing: (1, 1)  
Destination (row, column) spacing: (1, 1)  
Contact first  
Change tips always  
Disable over aspiration

Aliquot 3750nL from (P3, C10, R1, S1) to (P4, C13-24, R1, S1)  
Source (row, column) spacing: (1, 1)  
Destination (row, column) spacing: (1, 1)  
Contact first  
Change tips always  
Disable over aspiration

Pause indefinitely at position 1 and display message " Vortex lightly, Spin down and place plate in PCR for cDNA amplification step" - then home deck